

CLAIMS

1. Strap tensioner having a tensioning strap (1) and
a tensioning device (3) with a winding body (2)
5 for the tensioning strap (1), having a toothed
locking wheel (4) which is associated with the
winding body (2) and in the locking toothing
arrangement (5) of which a driving pawl (7),
associated with a driving lever (6), and a locking
10 pawl (8) engage, in order, by way of repeated
pivoting of the driving lever (6), to rotate the
winding body (2) with directional locking,
characterized in that the winding body (2) has a
spring accumulator (9) acting in the winding-up
15 direction and, as a storage reel, accommodates
substantially the entire length of the strap (1),
which has one end connected fixedly to the winding
body (2).
- 20 2. Strap tensioner according to Claim 1 or in
particular according thereto, characterized in
that the driving lever (6) and a handle (11),
which is connected fixedly to a tensioning-device
housing (10), are associated with one another in a
25 tong-like manner.
3. Strap tensioner according to one of the preceding
claims or in particular according thereto,
characterized by a release lever (12) which is
30 associated, in particular, with the handle (11)
and is intended for releasing the locking
pawl (8).
4. Strap tensioner according to one of the preceding
35 claims or in particular according thereto,
characterized in that the driving lever (6), for
the purpose of applying the tensioning force, can
be displaced in the direction of the handle (11)

counter to the force of a restoring spring (13).

5. Strap tensioner according to one of the preceding
claims or in particular according thereto,
5 characterized in that the driving lever (6), in
the rest position of the driving lever, is not in
engagement with the locking teeth (5).
6. Strap tensioner according to one of the preceding
10 claims or in particular according thereto,
characterized in that the spring accumulator (9)
is capable of winding up the strap (1)
automatically when the driving lever (6) is
located in the rest position and the release lever
15 (12) is brought into the release position.
7. Strap tensioner according to one of the preceding
claims or in particular according thereto,
characterized in that the winding body (2)
20 consists of plastics material and is disposed in a
housing (10) which is closed all the way round and
merely has a through-passage slot (14) for the
tensioning strap and, if appropriate, operating
openings (52) for the driving pawl (7) and the
25 release lever (12).
8. Strap tensioner according to one of the preceding
claims or in particular according thereto,
characterized in that the free end of the
30 tensioning strap has a hook (15) for hooking into
the tensioning-device housing (10).
9. Strap tensioner according to one of the preceding
claims or in particular according thereto,
35 characterized in that the locking wheel (4) is
formed by an annular punched metal part which is
positioned in a form-fitting manner in the end
wall (17) of the winding body (2).

10. Strap tensioner according to one of the preceding claims or in particular according thereto, characterized in that the driving lever (6) has fork-like arms (18) which are articulated on the outside of the housing (10).
11. Gripping jaw (40) with two angled legs (41), the two angled legs (41) having, on the outside, devices (42) for disposing in a longitudinally displaceable manner on a tensioning strap (1), and the insides of the legs forming gripping surfaces (43) for butting against a workpiece, characterized in that the two angled legs (41) are associated with one another in a pivotable manner.
12. Gripping jaw according to Claim 11 or in particular according thereto, characterized in that the two angled legs (41) are connected integrally to one another to form a film hinge (44).
13. Gripping jaw according to either of Claims 11 and 12 or in particular according thereto, characterized by rear stiffening ribs (45) which are associated with each gripping jaw and between which the strap is guided, the stiffening ribs (45) having overlapping portions (49) which engage over the film hinge.
14. Gripping jaw according to one of Claims 11 to 13 or in particular according thereto, characterized by wedged ribs (47) disposed between the two stiffening ribs (45).
15. Gripping jaw according to one of Claims 11 to 14 or in particular according thereto, characterized in that the overlapping portions (49) form stop edges (50) which, in the opened-out position of the two angled legs, engage against counter stops

(51) of the respectively other angled leg (41).